

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,922,642 B2
 APPLICATION NO. : 10/751588
 DATED : July 26, 2005
 INVENTOR(S) : Darius Martin Sullivan

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 6,

Line 57, “ $\phi_{12}^*(\omega) = \left| \sum_j W_{1,j}(\omega) \hat{W}_{2,j}^*(\omega) \exp[-ik(\omega)\Delta x_j] \right|$ ” should
 read -- $\phi_{12}^*(\omega) = \left| \sum_j \hat{W}_{1,j}(\omega) \hat{W}_{2,j}^*(\omega) \exp[-ik(\omega)\Delta x_j] \right|$ --.

Column 8,

Line 24, “time to at which” should read -- time t_0 at which --.

Line 37, “ $\Pi_j W_j'(t)$ ” should read -- $\prod_j W_j'(t)$ --.

Line 46, “ $W_j'(t)$ ” should read -- $W'_j(t)$ --.

Lines 53 and 65, “ $\Pi_j W_j'(t_0)$ ” should read -- $\prod_j W_j'(t_0)$ --.

Column 13,

Lines 24 and 26, “ $W_1'(t)$ and $W_2'(t)$ ” should read -- $W_1'(t)$ and $W_2'(t)$ --.

Line 48, “ $G(t) = \frac{1}{2\pi} \int_{-\infty}^{\infty} \hat{W}_1[f(\omega)] \hat{W}_2^*[f(\omega)] \phi_{12}[f(\omega)] \exp(i\omega t) d\omega$ ” should
 read -- $G(t) = \frac{1}{2\pi} \int_{-\infty}^{\infty} \hat{W}_1[f(\omega)] \hat{W}_2^*[f(\omega)] \phi_{12}[f(\omega)] \exp(i\omega t) d\omega$ --.

Column 15,

Line 22, “ $\phi_{12}^*(\omega) = \left| \sum_j \hat{W}_{1,j}(\omega) \hat{W}_{2,j}^*(\omega) \exp[-ik(\omega)\Delta x_j] \right|$ ” should
 read -- $\phi_{12}^*(\omega) = \left| \sum_j \hat{W}_{1,j}(\omega) \hat{W}_{2,j}^*(\omega) \exp[-ik(\omega)\Delta x_j] \right|$ --.

Column 16,

Line 10, “ $W_1'(t)$ ” should read -- $W'_1(t)$ --.

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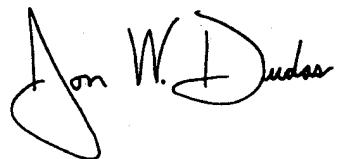
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 17.

Line 22, "A contract sensitive device according to claim 3, wherein the optimisation maximum value of the product is obtained." should read -- A contact sensitive device according to claim 3, wherein the optimisation includes iterative refinement of estimates of a location of the contact and a time for which the maximum value of the product is obtained. --.

This certificate supersedes Certificate of Correction issued March 14, 2006.

Signed and Sealed this
Fourth Day of July, 2006



JON W. DUDAS
Director of the United States Patent and Trademark Office